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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LIU et al.

Group Art Unit: n/a

Examiner: n/a

Serial No.: n/a

Filed: Contemporaneous Herewith

International Application No.: PCT/GB2004/005407

International Application Filing Date: December 23, 2004

**Entitled: Vacuum Pump** Atty. Dkt.: M03B343

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

## INFORMATION DISCLOSURE STATEMENT

The Examiner's attention is directed to the documents identified on the attached Forms PTO/SB/08A and PTO/SB/08B "Information Disclosure Statement By Applicant." A copy of each non-US patent document is enclosed.

Please consider all the listed documents and list them on the cover sheet of any patents to issue from the subject application.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or within three months of the date of entry of the National Phase of an international application or before the mailing of a first Office Action on the merits.

In accordance with 37 CFR 1.97(b), no additional fee is due. As a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee required by this submission.

Very truly yours,

Ira Lee Zebrak

Reg. No. 34-147

Attorney for Applicant(s)

The BOC Group, Inc.

Legal Services - Intellectual Property

575 Mountain Avenue Murray Hill, NJ 07974

(908) 771-6469

Attachments

Forms PTO/SB/08A & PTO/SB/08B

Cited References

ILZ:bjl

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Filing Date First Named Inventor LIU et al. Art Unit Examiner Name Attorney Docket Number M03B343

				T DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	<sup>US-</sup> 4 770 606	09-13-1988	Kuroiwa	
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Examiner Initials*	Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
	2	GB 341,378	01-15-1931	Siemens-Schuckertwerke		
	3	EP 0 898 083 A2	02-24-1999	The BOC Group plc		
	4	EP 1 233 189 A1	08-21-2002	Seiko Instruments Inc.		
	5	JP 60-252197	12-12-1985	Hitachi Ltd		
	6	JP 2-136595	05-25-1990	Anelva Corp		
	7	SU 1086226 A	04-15-1984	Cellulose Paper Ind Res		

Examiner	 Date	
Signature	Considered	
Signature	1	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Art Unit		
Examiner Name		
Attorney Docket Number	M03B343	

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (d known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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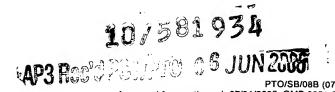
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY		Or Relevant Figures Appear	Т
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INFORMATION DISCLOSURE	Filing Date	
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	Art Unit	
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		NON PATENT LITERATURE DOCUMENTS	-
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	9	TSUTSUMI YOSHITSUGU, TANIYAMA MINORU, TERAJIMA MAKOTO, NAGAOKA TAKASHI, NAKAGAWA KOUJI, MASE MASAHIRO; Patent Abstracts of Japan;	
		abstract of JP 60252197 A,"Vacuum Pump," December 12, 1985; Hitachi Ltd	
	10	TAKEYASU NOBORU, HAYASHI YOSHITAKA; Patent Abstracts of Japan; abstract of JP 2136595 A, "Vacuum Pump," May 25, 1990; Anelva Corp.	
	11	NAKATANI IKUYOSHI; Patent Abstracts of Japan; abstract of JP 63223393, "Centrifugal Vacum Pump," September 16, 1988; DaiNippon Screen Mfg. Co. Ltd.	
	12	NAKATANI IKUHIRO; Patent Abstracts of Japan; abstract of JP 01219392, "Centrifugal High Vacuum Pump," September 1, 1989; DaiNippon Screen Mfg. Co. Ltd.	
	13	HAYASHI YOSHITAKA; Patent Abstracts of Japan; abstract of JP 02136595, "Vacuum Pump," May 25, 1990; Anelva Corp.	
	14	EKIMOVA VA, SHMERKIN RS, VASYUTIN EV; Abstract of SU 1086226 A; "Multistage Centrifugal Vacuum Compressor Load Regulation System -	
		Has Stages Provided with Adders, and Regulators Connected to Flow Rate Sensors," April 15, 1984; (CEPA) Cellulose Paper Ind Res	
	15	United Kingdom Search Report of Application No.: GB 0329839.5; Date of mailing: May 21, 2004	
	16	PCT Invitation to Pay Additional Fees of International Application No. PCT/GB2004/005407; Date of mailing: July 5, 2005	

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Signature		Considered	

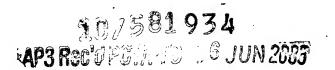
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Sheet 4 of 4	Attorney Docket Number	M03B343

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Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	17	PCT Notification of Transmittal of The International Search Report and the Written Opinion of the International Searching Authority, or the Declaration	
		of International Application No. PCT/GB2004/005407; Date of mailing: September 27, 2005	
	18	PCT International Search Report of International Application No. PCT/GB2004/005407; Date of mailing of the International Search Report: September 27, 2005	
	19	PCT Written Opinion of the International Searching Authority of International Application No. PCT/GB2004/005407; Date of mailing: September 27, 2005	

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